

SECTION V-B - FM BROADCAST ENGINEERING DATA	FOR COMMISSION USE ONLY File No. _____ SSB Referral Date _____ Referred By _____
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Name of Applicant _____

Call Letters (if issued) _____	Is this application being filed in response to a window? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, specify closing date: _____
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Purpose of Application: (check appropriate boxes)

- | | |
|--|---|
| <input type="checkbox"/> Construct a new (main) facility
<input type="checkbox"/> Modify existing construction permit for main facility
<input type="checkbox"/> Modify licensed main facility | <input type="checkbox"/> Construct a new auxiliary facility
<input type="checkbox"/> Modify existing construction permit for auxiliary facility
<input type="checkbox"/> Modify licensed auxiliary facility |
|--|---|

If purpose is to modify, indicate below the nature of change(s) and specify the file number(s) of the authorizations affected.

- | | |
|---|--|
| <input type="checkbox"/> Antenna supporting structure height
<input type="checkbox"/> Antenna height above average terrain
<input type="checkbox"/> Antenna location
<input type="checkbox"/> Main Studio location
<input type="checkbox"/> Directional Antenna | <input type="checkbox"/> Effective radiated power
<input type="checkbox"/> Frequency
<input type="checkbox"/> Class
<input type="checkbox"/> One-Step processing
<input type="checkbox"/> Other(summarize) |
|---|--|

File Number(s) _____

1. Allocation:				
Channel No.	Principal community to be served:			Class (check only one box below)
	County	City or Town	State	<input type="checkbox"/> A <input type="checkbox"/> B1 <input type="checkbox"/> B <input type="checkbox"/> C3 <input type="checkbox"/> C2 <input type="checkbox"/> C1 <input type="checkbox"/> C

2. Exact location of antenna.

- (a) Specify address, city, county and state. If no address, specify distance and bearing relative to the nearest town or landmark.
- (b) Geographical coordinates (to nearest second). If mounted on element of an AM array, specify coordinates of center of array. Otherwise, specify tower location. Specify South Latitude and East Longitude where applicable; otherwise, North Latitude or West Longitude will be presumed. (The Commission requires coordinates based on NAD 27.)

Latitude ° ' "	Longitude ° ' "
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3. Is the supporting structure the same as that of another station(s) or proposed in another pending application(s)? ☐ Yes ☐ No

If Yes, give call letter(s) or file number(s) or both. _____

If proposal involves a change in height of an existing structure, specify existing height above ground level including antenna, all other appurtenances, and lighting, if any. _____

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4. Does the application propose to correct previous site coordinates?

☐ Yes ☐ No

If Yes, list old coordinates.

Latitude	°	'	"	Longitude	°	'	"
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5. Has the FAA been notified of the proposed construction?

☐ Yes ☐ No

If Yes, give date and office where notice was filed and attach as an Exhibit a copy of FAA determination, if available.

Exhibit No.

Date _____ Office where filed _____

6. List all landing areas within 8 km of antenna site. Specify distance and bearing from structure to nearest point of the nearest runway.

	Landing Area	Distance (km)	Bearing (degrees True)
(a)	_____	_____	_____
(b)	_____	_____	_____

7. (a) Elevation (to the nearest meter)

(1) of site above mean sea level; _____ meters

(2) of the top of supporting structure above ground (including antenna, all other appurtenances, and lighting, if any); and _____ meters

(3) of the top of supporting structure above mean sea level [(a)(1) + (a)(2)]. _____ meters

- (b) Height of radiation center: (to the nearest meter) H = Horizontal; V = Vertical

(1) above ground; _____ meters (H)

_____ meters (V)

(2) above mean sea level [(a)(1) + (b)(1)]; and _____ meters (H)

_____ meters (V)

(3) above average terrain. _____ meters (H)

_____ meters (V)

8. Attach as an Exhibit sketch(es) of the supporting structure, labeling all elevations required in Question 7 above, except item 7(b)(3). If mounted on an AM directional array element, specify heights and orientations of all array towers, as well as location of FM radiator.

Exhibit No.

9. Effective Radiated Power:

(a) ERP in the horizontal plane _____ kw (H*) _____ kw (V*)

Is beam tilt proposed?

☐ Yes ☐ No

If Yes, specify maximum ERP in the plane of the tilted beam, and attach as an Exhibit a vertical elevation plot of radiated field.

Exhibit No.

_____ kw (H*) _____ kw (V*)

*Polarization

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10. Does this proposal modify a new unbuilt construction permit for an unbuilt, unlicensed facility? ☐ Yes ☐ No

If Yes, submit an Exhibit demonstrating compliance with 47 C.F.R. Section 73.3535 that includes a certification that construction will commence immediately upon grant of the construction permit application.

Exhibit No.

11. Is a directional antenna proposed? ☐ Yes ☐ No

If Yes, attach as an Exhibit a statement with all data specified in 47 C.F.R. Section 73.316, including plot(s), and tabulations of the relative field.

Exhibit No.

12. Will the proposed facility satisfy the requirements of 47 C.F.R. Section 73.315(a) and (b)? ☐ Yes ☐ No

If No, attach as an Exhibit a request for waiver and justification therefor, including amounts and percentages of population and area that will not receive 3.16 mV/m service.

Exhibit No.

13. Will the main studio be within the protected 3.16 mV/m field strength contour of this proposal? ☐ Yes ☐ No

If No, attach as an Exhibit justification pursuant to 47 C.F.R. Section 73.1125.

Exhibit No.

14. Is this application being filed as a One-step proposal pursuant to the Report & Order in MM Docket 92-159, 8 FCC 2d 4735 (released July 13, 1993)? ☐ Yes ☐ No

If Yes, list the proposed allotment site coordinates to the nearest second below and attach an Exhibit demonstrating that the proposed allotment site is in compliance with the allotment standards. The Exhibit must contain: (1) an allotment site map that complies with the requirements of the April 5, 1985, Public Notice, Mimeo 3693, or a statement that the allotment site will be located on an existing tower; (2) a city coverage map, showing the allotment site is in compliance with 47 C.F.R. Section 73.315; (3) a showing demonstrating that the allotment site meets the minimum distance separation requirements of 47 C.F.R. Section 73.207; and (4) a statement that the proposed allotment site is suitable for tower construction.

Exhibit No.

The coordinates for the proposed allotment site are:

Latitude	°	'	"	Longitude	°	'	"
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15. (a) Does the proposed facility satisfy the requirements of 47 C.F.R. Section 73.207? ☐ Yes ☐ No

- (b) If the answer to (a) is No, does 47 C.F.R. Section 73.213 apply? ☐ Yes ☐ No

- (c) If the answer to (b) is Yes, attach as an Exhibit a justification, including a summary of previous waivers.

Exhibit No.

- (d) If the answer to (a) is No and the answer to (b) is No, attach as an Exhibit a statement describing the short spacing(s) and how it or they arose.

Exhibit No.

- (e) Is authorization pursuant to 47 C.F.R. Section 73.215 requested? ☐ Yes ☐ No

If the answer to (e) is Yes, attach as an Exhibit a complete engineering study demonstrating compliance with the minimum spacing requirements of 47 C.F.R. Section 73.215(e) and lack of prohibited overlap with the affected stations. The engineering study must include the following:

Exhibit No.

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- (1) Protected and interfering contours, in all directions (360°), for the proposed operation.
- (2) Protected and interfering contours, over pertinent arcs, of all short-spaced assignments, applications and allotments, including a plot showing each transmitter location, with identifying call letters or file numbers, and indication of whether facility is operating or proposed. For vacant allotments, use the reference coordinates as the transmitter location.
- (3) When necessary to show more detail, an additional allocation study utilizing a map with a larger scale to clearly show prohibited overlap will not occur.
- (4) A scale of kilometers and properly labeled longitude and latitude lines, shown across the entire Exhibit(s). Sufficient lines should be shown so that the location of the sites may be verified.
- (5) The official title(s) of the map(s) used in the Exhibit(s).

16. Are there: (a) within 60 meters of the proposed antenna, any proposed or authorized FM or TV transmitters, or any nonbroadcast (except citizens band and amateur) radio stations; or (b) within the blanketing contour, any established commercial or government receiving stations, cable head-end facilities, or populated areas; or (c) within ten (10) kilometers of the proposed antenna, any proposed or authorized FM or TV transmitters which may produce receiver-induced intermodulation interference?

☐ Yes ☐ No

If Yes, attach as an Exhibit a description of any expected, undesired effects of operations and remedial steps to be pursued if necessary, and a statement accepting full responsibility for the elimination of any objectionable interference (including that caused by receiver-induced or other types of modulation) to facilities in existence or authorized or to radio receivers in use prior to grant of this application. (See 47 C.F.R. Sections 73.315(b), 73.316(e) and 73.318.)

Exhibit No.

17. Attach as an Exhibit a 7.5 minute series U.S. Geological Survey topographic quadrangle map that shows clearly, legibly, and accurately, the location of the proposed transmitting antenna. This map must comply with the requirements set forth in Instruction V (D). The map must further clearly and legibly display the original printed contour lines and data as well as latitude and longitude markings, and must bear a scale of distance in kilometers.

Exhibit No.

18. Attach as an Exhibit (name the source) a map which shows clearly, legibly, and accurately, and with the original printed latitude and longitude markings and a scale of distance in kilometers:

Exhibit No.

- (a) the proposed transmitter location, and the radials along which profile graphs have been prepared;
- (b) the 3.16 mV/m and 1 mV/m predicted contours; and
- (c) the legal boundaries of the principal community to be served.

19. Specify area in square kilometers (1 sq. mi. = 2.59 sq. km.) and population (latest census) within the predicted 1 mV/m contour.

Area _____ sq. km. Population _____

20. For an application involving an auxiliary facility only, attach as an Exhibit a map (Sectional Aeronautical Chart or equivalent) that shows clearly, legibly, and accurately, and with latitude and longitude markings and a scale of distance in kilometers:

Exhibit No.

- (a) the proposed auxiliary 1 mV/m contour; and
- (b) the 1 mV/m contour of the licensed main facility for which the applied-for facility will be auxiliary. Also specify the file number of the license.

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21. Terrain and coverage data (to be calculated in accordance with 47 C.F.R. Section 73.313)

Source of terrain data: (check only one box below)

☐

Linearly interpolated 30-second database

☐

7.5 minute topographic map

(Source: _____)

☐

Linearly interpolated 3-second database

☐

Other (summarize)

Radial bearing (degrees True)	Height of radiation center above average elevation of radial from 3 to 16 km (meters)	Predicted Distances	
		To the 3.16 mV/m contour (kilometers)	To the 1 mV/m contour (kilometers)
*			
0			
45			
90			
135			
180			
225			
270			
315			

*Radial through principal community, if not one of the major radials. This radial should NOT be included in the calculation of HAAT.

22. Environmental Statement. (See 47 C.F.R. Section 1.1301 et seq.)

Would a Commission grant of this application come within 47 C.F.R. Section 1.1307, such that it may have a significant environmental impact, including exposure of workers or the general public to levels of RF radiation exceeding identified health and safety guidelines issued by the American National Standards Institute?

☐

Yes

☐

No

If you answer Yes, submit as an Exhibit an Environmental Assessment required by 47 C.F.R. Section 1.1311.

Exhibit No.

If No, explain briefly why not.

CERTIFICATION

I certify that I have prepared this Section of this application on behalf of the applicant, and that after such preparation, I have examined and found it to be accurate and true to the best of my knowledge and belief.

Name (Typed or Printed)	Relationship to Applicant (e.g., Consulting Engineer)
Signature	Address (include ZIP Code)
Date	Telephone No. (include Area Code)

SECTION VI - EQUAL EMPLOYMENT OPPORTUNITY PROGRAM

Does the applicant propose to employ five or more full-time employees?

☐ Yes ☐ No

If Yes, the applicant must include an EEO program called for in the separate Broadcast Equal Employment Opportunity Program Report (FCC Form 396-A).

SECTION VII - CERTIFICATIONS

1. Has or will the applicant comply with the public notice requirements of 47 C.F.R. Section 73.3580? ☐ Yes ☐ No
2. Has the applicant reasonable assurance, in good faith, that the site or structure proposed in Section V of this form, as the location of its transmitting antenna, will be available to the applicant for the applicant's intended purpose? ☐ Yes ☐ No

If No, attach as an Exhibit, a full explanation.

Exhibit No.

3. If reasonable assurance is not based on applicant's ownership of the proposed site or structure, applicant certifies that it has obtained such reasonable assurance by contacting the owner or person possessing control of the site or structure.

Name of person contacted: _____

Telephone No. (include area code): _____

Person contacted: (check one box below:

☐ Owner ☐ Owner's Agent ☐ Other (specify)

4. By checking Yes, the applicant certifies, that, in the case of an individual applicant, he or she is not subject to a denial of federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862, or, in the case of a non-individual applicant (e.g., corporation, partnership or other unincorporated association), no party to the application is subject to a denial of federal benefits that includes FCC benefits pursuant to that section. For the definition of a "party" for these purposes, see 47 C.F.R. Section 1.2002(b). ☐ Yes ☐ No

The APPLICANT hereby waives any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

The APPLICANT acknowledges that all the statements made in this application and attached Exhibits are considered material representations, and that all Exhibits are a material part hereof and incorporated herein.

The APPLICANT represents that this application is not filed for the purpose of impeding, obstructing, or delaying determination on any other application with which it may be in conflict.

In accordance with 47 C.F.R. Section. 1.65, the APPLICANT has a continuing obligation to advise the Commission, through amendments, of any substantial and significant changes in information furnished.

I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith.

Name	Signature
Title	Date
Typed or Printed Name of Person Signing	

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).